

Box 8A-3-6-33

ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

Tom Widner 1 K-25 Site Records
Requestor Document Center (is requested to provide the following document)

Date of request 3/22/95 Expected receipt of document 4/7/95

Document number _____ Date of document 1962-1963

Title and author (if document is unnumbered)

Radioactivity Analysis Report - White Oak Lake Gross Beta
1962-1963 (discontinued)

Please copy entire folder - include cover w/ ~~title~~ title on the yellow tag

(This section to be completed by Document Center)

Date request received 3/27/95

Date submitted to ADC 4/3/95

Date submitted to HSA Coordinator 3/27/95

(This section to be completed by HSA Coordinator)

Date submitted to CICO 4/3/95

Date received from CICO 4/24/95

Date submitted to ChemRisk/Shonka and DOE 4/25/95

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received _____

Signature _____

Radioactivity Analysis Report -
White Oak Lake Gross Beta 1962-1963
(discontinued)

This document has been approved for release
to the public by:

Arvin A. Quist
Technical Information Officer
Oak Ridge K-25 Site

4/23/75
Date

MEMO

AVOID ORAL INSTRUCTIONS

Date April 2 19 63

To Mr. N. B. Schultz

Subject: Routine Analysis of Radio-
nuclides in Plant Potable Water

cc: Mr. D. L. Stoddard

Please arrange to report the results of our daily water samples from the K-1515 sanitary water intake to Mr. Abee's group at ORNL through the 15th of April, at which time, if the Clinch River flow is restored, this should be discontinued. Mr. Abee will continue to composite the daily river samples on a monthly basis for a complete radiochemical analysis and will furnish copies of the results to us. You may therefore discontinue all future sampling at this point except as requested or as you may feel desirable, and we will rely on our constant water monitors to alert us to changing conditions of significance. Please arrange to handle this with the Utilities Department accordingly.

UCN-486
(1235 3-59)
AFB:mh
4/2/63

Signed

A. F. Becher
A. F. Becher

RADIOACTIVITY ANALYSIS REPORT

File No. K-10040-265RC
Issued 10-1-63
Type of Sample Water

TO: A. J. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Approved and Forthwith
 Witness my hand and seal of the
 said Department of the Interior
 this 15th day of July 1903

APPROVED: A R Egan

RADIOACTIVITY ANALYSIS REPORT

File No. K-10040-265RC
 Issued 9-11-63
 Type of Sample Water

TO:

A. F. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

**Energy and Health
Physics**

100-100000

APPROVED:

A R Hyman

RADIOACTIVITY ANALYSIS REPORT

File No

Issued

Type of Sample:

TO:

A. F. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

APPROVED:

AR Hymn

Health and Health Physics

RADIOACTIVITY ANALYSIS REPORT

File No. K-1004B-114, RL
 Issued 7-5-63
 Type of Sample Water

TO: A. F. Becker

[illegible]

2. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

1943

APPROVED: A R Flynn

RADIOACTIVITY ANALYSIS REPORT

File No. K-1004B-114, RC
 Issued 6-20-63
 Type of Sample Water

TO: A. F. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

**Library of Health
Physics**

APPROVED: A. R. Flynn
by L. S. Innes

RADIOACTIVITY ANALYSIS REPORT

File No. K-1004-B-114, RC

File No. _____
Issued 5-2-63

Type of Sample Water

TO: Mr. Becher

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

APPROVED:

APPROVED: AR Flynn

RADIOACTIVITY ANALYSIS REPORT

File No. K-1004B-114RC
 Issued 4-19-63
 Type of Sample Water

TO: *A. J. Becker*

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

1960-1961
PH 1:18

APPROVED: A R Thorne

RADIOACTIVITY ANALYSIS REPORT

File No. K-1004B-114, RC
 Issued 3-20-63
 Type of Sample water

TO: A. F. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Library and Health
Physics
1964 JUN 21 PM 1:36

APPROVED: AR Flynn

RADIOACTIVITY ANALYSIS REPORT

File No. K-1064B-714, A³C
 Issued 2-27-63
 Type of Sample 16 a. 16

TO: C. F. Beahm

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Safety and Health
 Hazards
 10/22/93

APPROVED: AR Flynn

APPROVED: AR Flynn

RADIOACTIVITY ANALYSIS REPORT

File No K-1004B-114, NC
Issued 1-30-63
Type of Sample 16-2-10

TO: H. F. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

APPROVED: A R Flynn

File No. A-10048-114, Re
 Issued 11-12-62
 Type of Sample Water

A. F. Becker

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Safety and Health
 Physics
 Dec 10 1979
 1:53

A R Flynn

Type of Sample Water

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Page 23 of 31

Swift and Health Physics

APPROVED: A. P. 7 Gurn
an S S Limited

RADIOACTIVITY ANALYSIS REPORT

File No. K-10C4B-114, RC
 Issued 10-2-62
 Type of Sample Water

TO:

A. F. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Safety and Health
Physics
04/11/40
1904 OCT 3

APPROVED:

A R Flynn

File No. K-10048-114, PC.
 Issued 9-17-62
 Type of Sample Water

TO: A. J. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Safety and Health Physics

17:41:19

APPROVED: A. R. Flynn

TO: Mr. Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Library
Physics

100

D. L. S.

APPROVED: A R Hymn

APPROVED:

APPROVED:

RADIOACTIVITY ANALYSIS REPORT

File No. K-1004 B-114, R
 Issued 6-13-62
 Type of Sample Water

TO: Mr Becker

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

Safety and Health
 Physics
 1974.9
 1974.9

APPROVED: A R Flynn

RADIOACTIVITY ANALYSIS REPORT

File No. K-1004-B-114, RC

Issued 5-29-62

Type of Sample Water

TO: Mr. Becher

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

**Safety and Health
Physics**

APR 10:43

APPROVED:

APPROVED: AR Flynn

Type of Sample Water

TO: Mr. Becher

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

3:24 PM
12-11-68

Society and Health Physics

APPROVED:

APPROVED: AR Flynn

~~WBS~~

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RADIOACTIVITY ANALYSIS REPORT

File No. K-1004-B-114, RC
 Issued 2-27-62
 Type of Sample Water

TO: Mr. Becher

[illegible]

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

1970-10-23 09:11:15

Life and Health Physics

APPROVED: AR Flynn

Type of Sample Water

1. The limit of error at the 95% certainty level has been estimated from the precision of control samples.
2. The alpha counting rates have been corrected to 50% geometry by comparison of results obtained by counting unaltered uranium with the published alpha specific activity.
3. The beta counting rates have been corrected to 100% geometry by comparison of results obtained by counting unaltered uranium with the published specific beta activity of normal uranium.

1941 3:51

Safety and Health Physician

APPROVED:

APPROVED: AR Flynn

APPROVED:

